

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1225	175/62	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2012/03/26 10:54
L2	241	(405/174,175).OCLS.	US-PGPUB; USPAT	OR	OFF	2012/03/26 10:54
L3	1367	L1 L2	USPAT	OR	OFF	2012/03/26 10:54
L4	776	(254/29r).OCLS.	USPAT; USOCR	OR	OFF	2012/03/26 10:54
L5	2125	L3 L4	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2012/03/26 10:54
L9	17867498	"6" "7" "8"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2012/03/26 11:15
S1	282	(405/174,175).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/22 06:26
S2	226	(405/174,175).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/06/22 06:27
S3	12535	(pipe pipeline) and (advance advancement advancing install installing installed installation) and (joint and expansion and (fluid liquid))	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/06/22 06:28
S4	423	S3 and "405"/\$.ocls.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/06/22 06:29
S5	10	S4 and "expansion chamber"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/06/22 06:30
S6	1097	175/62	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/06/22 06:33

S7	32261	(pipe pipeline) same (joint connection connector) same (expand expansion expandable)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/01/18 21:25
S8	5690	S7 and (measure measuring measured measurement detect detecting detected detection) and (pressure deform deformation deformed)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/01/18 22:10
S9	5690	S7 and (measure measuring measured measurement detect detecting detected detection) and (pressure deform deformation deformed)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/01/18 22:10
S10	3749	S8 and fluid	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/01/18 22:12
S11	73	S10 and "405"/\$.cls.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/01/18 22:13
S12	32265	(pipe pipeline) same (joint connection connector) same (expand expansion expandable)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/01/19 07:16
S13	5692	S12 and (measure measuring measured measurement detect detecting detected detection) and (pressure deform deformation deformed)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/01/19 07:16
S14	3751	S13 and fluid	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/01/19 07:16
S15	73	S14 and "405"/\$.cls.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/01/19 07:16
S16	114	("0266019"   "0619423"   "0781994"   "0954232"   "20020014966"   "20030033870"   "20040091076"   "20040093949"   "20040134970"   "2604569"   "2660199"   "2719207"   "2892914"   "3168114"   "3210068"   "3309879"   "3375856"   "3379027"   "3388724"   "3402781"   "3530680"   "3605420"   "3689113"   "3762174"   "3865145"   "3885595"   "3933182"   "3948313"   "3950958"   "4024721"   "4100809"   "4127035"   "4133181"   "4184374"   "4289030"   "4338045"   "4384657"   "4417603"   "4471658"   "4483399"   "4535215"   "4566625"   "4593568"   "4618114"   "4669650"	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/19 07:28

		"4673312"   "4675728"   "4679448"   "4685334"   "4728760"   "4736084"   "5085082"   "5187343"   "5265787"   "5285065"   "5435478"   "5439157"   "5474225"   "5526691"   "5537876"   "5549003"   "5581037"   "5652389"   "5721413"   "5760307"   "5770832"   "5808202"   "5924745"   "5985064"   "6078031"   "6153848"   "6170336"   "6250163"   "6568271"   "6597997"   "6624628"   "6751560").PN. OR ("4718459"   "4936709"   "7181821").URPN.				
S17	1	("4432667").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/01/19 07:43
S18	19	("2946578"   "3005314"   "3169376"   "3180437"   "3422631"   "3708984"   "3881776"   "3919851"   "4095435"   "4095655").PN. OR ("4432667").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/01/19 07:46
S19	2	"3082792".PN.	USPAT; USOCR	OR	ON	2010/01/19 07:48
S20	75	("2946578"   "3082792"   "3180437"   "3330368"   "3422631"   "3811519"   "3840270"   "3853186"   "3881776").PN. OR ("4095655").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/01/19 07:54
S21	1	trumpi-stefan	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/01/19 10:45
S22	235	(405/174,175).CCLS.	US- PGPUB; USPAT	OR	OFF	2010/07/06 07:08
S23	1	("7686543").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/07/06 08:09
S24	1	("20070280786").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2011/01/03 10:14
S25	19	("2946578"   "3005314"   "3169376"   "3180437"   "3422631"   "3708984"   "3881776"   "3919851"   "4095435"   "4095655").PN. OR ("4432667").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/03 10:48
S26	3	S25 and (measure measured measuring)	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/01/03 10:52
S27	17	("1948707"   "3169376"   "3234743"   "3613379").PN. OR ("4095435").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/03 10:58
S28	13	("2946578"   "3376942"	US-	OR	ON	2011/01/03

		"3693740").PN. OR ("3881776").URPN.	PGPUB; USPAT; USOCR			11:19
S29	15	("3388724"   "4095655"   "4432667"   "4718459"   "4936709"   "7181821").PN.	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/01/03 12:58
S30	9	(US-20070280786-\$).did. or (US- 4936709-\$ or US-7181821-\$ or US- 4718459-\$ or US-4432667-\$ or US- 4095655-\$ or US-4095435-\$ or US- 3881776-\$).did. or (US-3388724- \$).did.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/03 12:58
S31	3	S30 not S29	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/01/03 12:58
S32	237	(405/174,175).CQLS.	US- PGPUB; USPAT	OR	OFF	2011/01/03 12:58
S33	2	(US-4432667-\$ or US-4095435- \$).did.	USPAT	OR	ON	2011/08/04 10:26
S34	15	("2946578"   "3005314"   "3169376"   "3180437"   "3422631"   "3708984"   "3881776"   "3919851"   "4095435"   "4095655").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2011/08/09 13:38
S35	82	"pipe jack".ab.	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/08/09 13:42
S36	9	(US-20070280786-\$).did. or (US- 4936709-\$ or US-7181821-\$ or US- 4718459-\$ or US-4432667-\$ or US- 4095655-\$ or US-4095435-\$ or US- 3881776-\$).did. or (US-3388724- \$).did.	US- PGPUB; USPAT; USOCR	OR	ON	2011/08/09 13:46
S37	5	S36 and (jack jacking ram ramming rammer)	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/08/09 13:46
S38	1215	175/62	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/11/30 11:07
S39	240	(405/174,175).CQLS.	US- PGPUB; USPAT	OR	OFF	2011/11/30 11:07
S40	1359	S38 S39	USPAT	OR	OFF	2011/11/30 11:07
S41	0	trumpi-stefan\$.in.	USPAT	OR	OFF	2011/11/30 12:16
S42	2	(US-4432667-\$ or US-4095435- \$).did.	USPAT	OR	OFF	2011/12/01 09:30

S43	775	(254/29r).OCLS.	USPAT; USOCR	OR	OFF	2011/12/01 10:44
S44	19	("2946578"   "3005314"   "3169376"   "3180437"   "3422631"   "3708984"   "3881776"   "3919851"   "4095435"   "4095655").FN. OR ("4432667").URFN.	US- PGPUB; USPAT; USOCR	OR	OFF	2011/12/01 10:47
S45	14	("2946578"   "3082792"   "3180437"   "3330368"   "3422631"   "3811519"   "3840270"   "3853186"   "3881776").FN.	US- PGPUB; USPAT; USOCR	OR	OFF	2011/12/01 10:49
S46	17	("1948707"   "3169376"   "3234743"   "3613379").FN. OR ("4095435").URFN.	US- PGPUB; USPAT; USOCR	OR	OFF	2011/12/01 10:50
S47	21	("3388724").URFN.	USPAT	OR	OFF	2011/12/01 10:55
S48	324	(pipe pipeline) same (joint connection connector) same (expand expansion expandable) and (toroid toroidal)	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/12/01 10:57
S49	105	S48 and (measure measuring measured measurement detect detecting detected detection) and (pressure deform deformation deformed)	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/12/01 10:58
S50	4178	(pipe pipeline) same (joint connection connector) and (torus toroid toroidal)	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/12/01 11:22
S51	6	S50 and trenchless	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/12/01 11:22
S52	1434	S50 and (thrust thrusting push pushed pushing thrustsed)	US- PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/12/01 11:23
S53	0	"ch 574023"	USPAT	OR	OFF	2011/12/01 11:27
S54	1	"ch 574023"	USPAT; DERWENT	OR	OFF	2011/12/01 11:30
S55	10	("3145964"   "3795176"   "4082248"   "4159819"   "4212374"   "4662606").FN. OR ("4815695").URFN.	US- PGPUB; USPAT; USOCR	OR	OFF	2011/12/01 16:09

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